



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

DAS
13
9-89

NOV 15 2017

D3456-1
Job Sheet 168489



Part No: D3456-1

Job Qty: 40 ea

Part Name: Washer



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 11/15/17

Job Tracking No:

Due Date: 12/4/17

Created By: Mario Poulin

Type: Stock

Description:

Note: DWG REV A IPP A 05.10.03 New issue KJ/JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	40 pcs		12/4/17	0.00	0.00	Purchasing	50	
110	Packaging	40 pcs		12/4/17	0.00	0.00	Packaging2	50	
120	QC	40 pcs		12/4/17	0.00	0.00	QC6	38	
130	Packaging	40 pcs		12/4/17	0.00	0.00	Packaging3	9-89	
140	QC21-SA	40 Ea		12/4/17	0.00	0.00	QC21		

Part Op 100 - Issue P/O: 38382 P/N: 91525A120 per Dwg D3456 Possible Supplier: McMaster-Carr
Descriptions: 110 - Ensure Material Release Note is attached

CZ 7/11/16

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
100-Purchasing	91525A120	40	25	0	0

Part Specifications

Specifications could not be found.

Plex 11/15/17 2:29 PM dart.poulin.mario

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

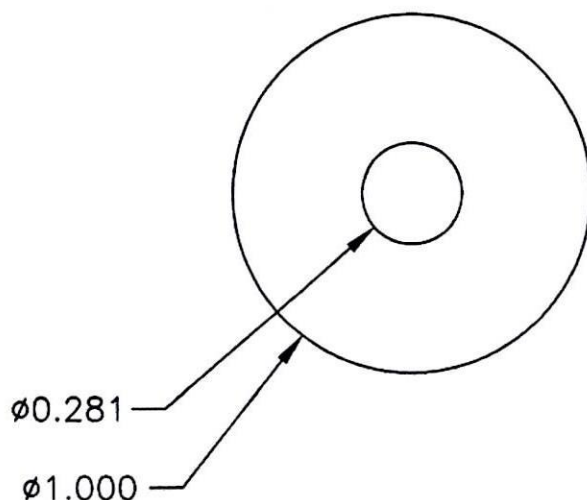
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

DART

DESIGN CP	DRAWN BY CP	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3456	REV. A SHEET 1 OF 1
DATE 05.09.01		TITLE WASHER	SCALE 2:1
A	05.09.01	NEW ISSUE	

RELEASED
05.09.06 *[Signature]*

SPECIFICATION CONTROL DRAWING



D3456-1 WASHER

- 1) MATERIAL: 316 STAINLESS STEEL, 0.050" THICK
- 2) MAY PURCHASE McMASTER-CARR P/N 91525A120
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

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Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
PO038382

Supplier:

MCM001-VU
McMaster-Carr Supply Co.
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

Ship To:

1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No:

PO038382

PO Date:

11/16/17

Due Date:

11/20/17

Purchase Order

Revision:

Revision Date:

Ship-To Contact:

Phone:

Via:

Ground

Pynt Terms:

Net 30

Freight Terms:

Special Comments:

E-MAILED
NOV 16 2017

Line	Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit	Extended Price
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1		20NR-97	-	Location Pin MCMaster p/n: 98381A551		Firmed	11/20/17	25 Ea	0 Ea	25 Ea	\$0.4116/Ea	\$10.29
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2		8695K141	-	Rubber Rod 1 pcs of 24"		Firmed	11/20/17	2 ft	0 ft	2 ft	\$20.115/ft	\$40.23
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3		8631K211	-	Rubber Square Bar 1 pcs of 24"		Firmed	11/20/17	2 ft	0 ft	2 ft	\$18.175/ft	\$36.35
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4		91525A120	-	washer 1 pcs of 24"		Firmed	11/20/17	50 pcs	0 pcs	50 pcs	\$0.232/pcs	\$11.60
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5		1288N142	-	O-Ring 0.424" ID x 0.103" Width		Firmed	11/20/17	10 pcs	0 pcs	10 pcs	\$0.636/pcs	\$6.36
6		92356A247	-	Carriage Bolt receive ea		Firmed	11/20/17	50 Ea	0 Ea	50 Ea	\$0.248/Ea	\$12.40
7		96659A104	-	Washer receive ea		Firmed	11/20/17	100 Ea	0 Ea	100 Ea	\$0.0448/Ea	\$4.48

Grand Total: \$121.71

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit
www.dartaerospace.com for further explanation.

Plex 11/16/17 1:03 PM dart.lavoie.chantal

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO038382

Order Placed By
Chantal Lavoie

McMaster-Carr Number
3576087-02

Page 1 of 1
11/16/2017

Line	Product	Ordered	Shipped
1	98381A551 Dowel Pin, Alloy Steel, 1/4" Diameter, 2-1/4" Long, Packs of 25	1 Pack	1
4	91525A120 316 Stainless Steel Washer, Oversized, 1/4" Screw Size, 0.281" ID, 1" OD, Packs of 25	2 Packs	2
5	1288N142 Chemical-Resistant Viton Fluoroelastomer O-Ring, Super-Resilient, 3/32 Fractional Width, Dash No. 111, Packs of 5	2 Packs	2
6	92356A247 18-8 Stainless Steel Square-Neck Carriage Bolt, 10-24 Thread Size, 1" Long, Packs of 50	1 Pack	1
7	96659A104 18-8 Stainless Steel SAE Washer for Number 10 Screw Size, 0.219" ID, 0.5" OD, Packs of 100	1 Pack	1

SP 11-20

Shipped separately from our Chicago warehouse on 11/16

2	8695K141 Abrasion-Resistant Polyurethane Rubber Rod, 24" Long, 7/8" Diameter, 90A Durometer	1 Each	1
3	8631K211 Abrasion-Resistant Polyurethane Rubber Square Bar, 24" Long, 3/4" Thick, 60A Durometer	1 Each	1

DART
AEROSPACE
S011330



Washer

PART NO: D3456 – 1
Revision:
Operation: Purchasing
Change No:

Dart Aerospace Ltd.

1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Mfg Date: 11/20/17

Job No: 168489